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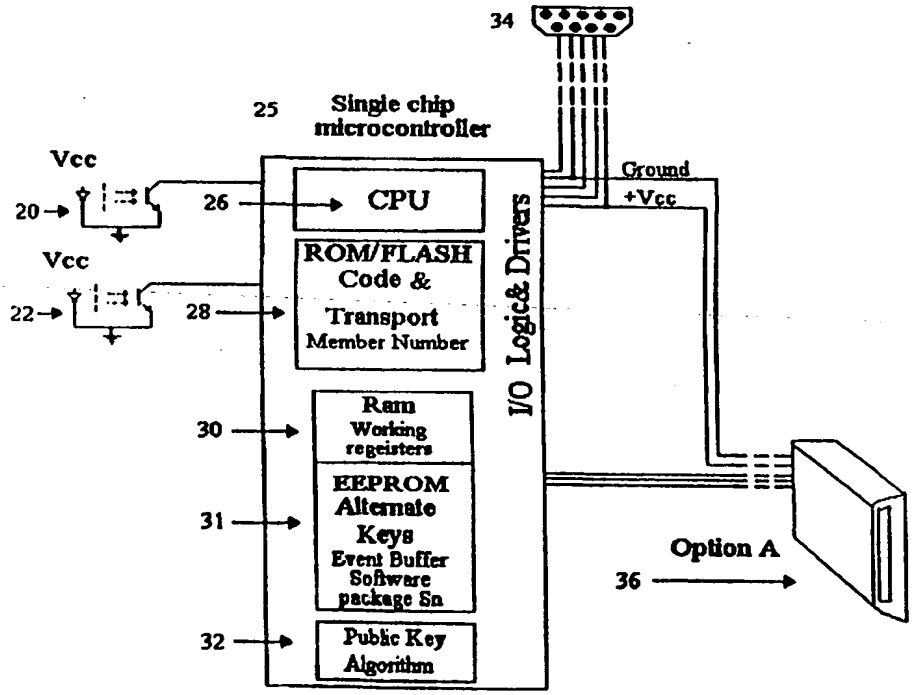
(54) Title: SECURE DATA ENTRY PERIPHERAL DEVICE

(57) Abstract

A secure data entry peripheral device in a computer system featuring an encryption technique integrated within the device itself, and not by other means, so that each transmission of data from the peripheral device is already encrypted, giving it a high level of security with its initial transmission. Encryption on the proposed single chip microprocessor is completely secure because the "Keyboard", "Data entry" or "Analog voice" encoding and encryption are on the same chip by storing encryption keys and secure data in EEPROM memory (31). There is no opportunity for external interference, which could compromise the integrity of the data enabling maintenance of a high security level. The device can be applied to a keyboard, computer mouse or voice recognition circuit used as data entry devices. Since each device utilizes a microcontroller (25) in its standard configuration, the encryption technique of the present invention can be applied easily and efficiently.



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